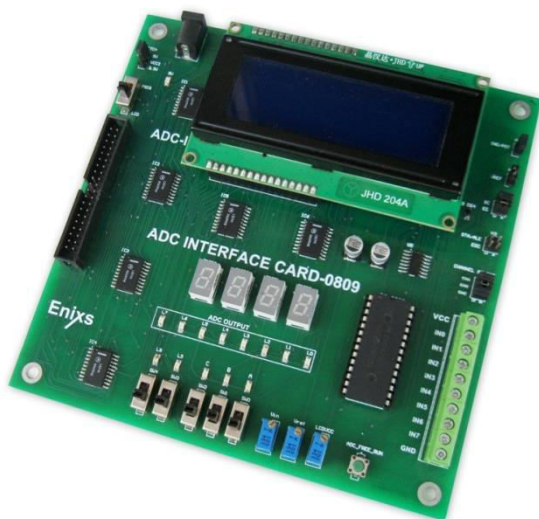


ADC 0809 INTERFACE CARD

ADC - II

Introduction

The ADC 0809 interface board is designed to explain the analog to digital conversion using ADC 0809 chip .This interface card is compatible to interface with Embedded, FPGA development boards and sensors to be used in real time projects also. Stand alone working mode is the special feature of this card. The ADC 0809 interface card is a perfect platform for learning about the basic concepts of ADC operation.



Board Specification

- ADC 0809 chip is used
- Eight Data LEDs and Three channel selection LEDs
- Three Slide switches for channel selection
- Four Seven segment display
- 20x4 LCD interfacing
- Potentiometers for Analog input and Reference voltage to ADC
- Connectors for interfacing external analog inputs to ADC chip
- Compatible to work at free running mode(Stand alone mode)
- 40 pin GPIO connector
- Compatible to work with Embedded and FPGA boards
- It can be work in programming and in stand-alone mode.

Chip Specification

- ADC 0809 is an Eight channel multiplexer three address logic decoder
- Conversion Time 100 μ s
- 8 bit resolution
- 0V to 5V input range with single 5V power supply
- Easy interface to all microprocessors